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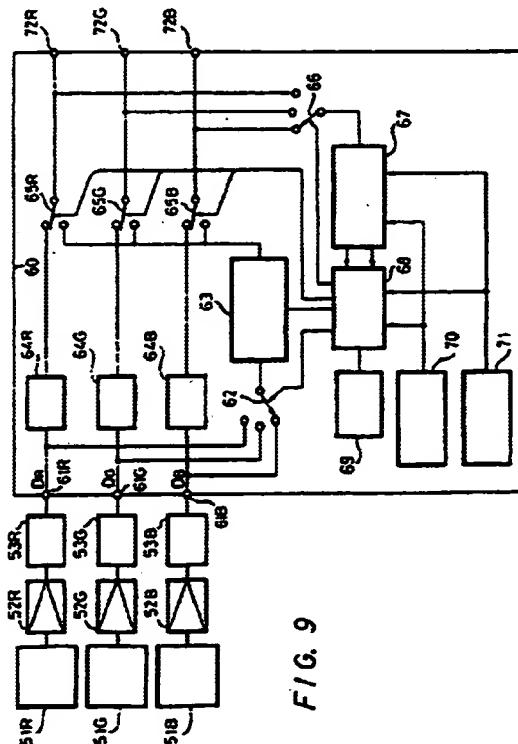
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54 An image defect correcting circuit for a solid state imager.

57 An image defect correcting circuit for a solid state imager is arranged such that levels of output signals of pixels of a solid state image pickup element (51R, 51G, 51B) illuminated on its whole surface with a light of uniform brightness are compared with a predetermined level, data indicative of a position of a pixel which outputs a signal of peculiar level is generated on the basis of the compared result, a video signal output from at least the pixel located at the position indicated by the position data is interpolated by using output signals of other pixels according to an interpolation processing (63) and the output signals of the respective pixels and the video signal generated by the interpolation processing are selectively output on the basis of the position data.





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EUROPEAN SEARCH REPORT

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EP 91 40 0241
Page 1

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CLS)
X	US-A-4 237 488 (TAKEMURA) * column 3, line 1 - column 4, line 4 * * column 4, line 43 - column 5, line 37 *	1, 4	HO4N5/217
Y	---	12	
A		15, 16	
Y	PATENT ABSTRACTS OF JAPAN vol. 7, no. 158 (E-186)(1303) 12 July 1983 & JP-A-58 058 379 (MATSUSHITA DENKI SANGYO KK) 23 April 1983 * abstract *	12	
A	---	9, 10	
X	US-A-4 701 784 (MATSUOKA ET AL.) * column 5, line 66 - column 9, line 19 * * figure 14 *	13, 14	
X	GB-A-2 181 018 (RCA CORPORATION) * page 2, line 80 - page 3, line 30 * * page 3, line 31 - page 4, line 29 *	15, 16, 17	
A	---	1, 3, 4, 6, 19	
A	EP-A-0 222 548 (BRITISH AEROSPACE PUBLIC LTD CO) * page 2, line 12 - page 4, line 26 *	1-6, 12 15-17	TECHNICAL FIELDS SEARCHED (Int. CLS)
A	---	13, 14	HO4N5 HO4N1
A	US-A-4 541 116 (LOUGHREED) * column 4, line 6 - column 7, line 26 *	11	
A	GB-A-2 073 993 (AMPEX CORPORATION) * page 1, line 49 - page 2, line 28 * * page 3, line 15 - line 40 *	16, 19	
A	PATENT ABSTRACTS OF JAPAN vol. 9, no. 181 (E-333)(1904) 26 July 1985 & JP-A-60 051 378 (TOSHIBA K.K.) 22 March 1985 * abstract *	---	
The present search report has been drawn up for all claims			
Place of search		Date of compilation of the search	Examiner
THE HAGUE		10 FEBRUARY 1992	DUWR R.H.J.E.
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T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document			

SEARCH REPORT FORM 1990 (PCT)



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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. CL.5)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 346 (E-798)3 August 1989 & JP-A-1 105 671 (SONY CORP.) 24 April 1989 * abstract *	1,4			
The present search report has been drawn up for all claims					
Place of search THE HAGUE					
Date of completion of the search 10 FEBRUARY 1992		Examiner DUHR R.H.J.E.			
CATEGORY OF CITED DOCUMENTS <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p>					
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